

Set Items Description

? e au=karaolis, d?

Ref	Items	Index-term
E1	1	AU=KARAOLIS, D. K. R
E2	1	AU=KARAOLIS, D. K. R.
E3	0	*AU=KARAOLIS, D?
E4	2	AU=KARAOLIS, DAVI D
E5	10	AU=KARAOLIS, DAVI D K. R
E6	33	AU=KARAOLIS, DAVI D K. R.
E7	2	AU=KARAOLIS, DAVI D K. R.
E8	8	AU=KARAOLIS, DAVI D KR
E9	2	AU=KARAOLIS, DK
E10	8	AU=KARAOLIS, DK*
E11	14	AU=KARAOLIS, DKR
E12	6	AU=KARAOLIS, DKR*

Enter P or PAGE for more

? s e1-e12

1	AU=KARAOLIS, D. K. R
1	AU=KARAOLIS, D. K. R.
0	AU=KARAOLIS, D?
2	AU=KARAOLIS, DAVI D
10	AU=KARAOLIS, DAVI D K. R
33	AU=KARAOLIS, DAVI D K. R.
2	AU=KARAOLIS, DAVI D K. R.
8	AU=KARAOLIS, DAVI D KR
2	AU=KARAOLIS, DK
8	AU=KARAOLIS, DK*
14	AU=KARAOLIS, DKR
6	AU=KARAOLIS, DKR*

S1 86 E1-E12

? s s1 and dinucleotide

86	S1
209894	DI NUCLEOTIDE
S2 12	S1 AND DI NUCLEOTIDE

? rd

>>>Duplicate detection is not supported for File 393.

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.

S3 8 RD (unique items)

? t s3/3, k/1-8

>>>KW C option is not available in file(s): 399

3/3, K/1 (Item 1 from file: 24)
 DI ALOG(R) File 24: CSA Life Sciences Abstracts
 (c) 2009 CSA. All rights reserved.

0003084006 IP ACCESSION NO: 7613283
 Cyclic Di-GMP Stimulates Protective Innate Immunity in Bacterial Pneumonia

Karaolis, David KR; Newstead, Michael W; Zeng, Xi anying; Hyodo, Mamoru; Hayakawa, Yoshihiro; Bhan, Urvhashi; Liang, Hallie; Standiford, Theodore J

Intragenics Research Institute, Havre de Grace, Maryland 21078. Karagen Pharmaceuticals, Baltimore, Maryland 21210. Department of Internal Medicine, Division of Pulmonary and Critical Care Medicine, University of Michigan Medical Center, Ann Arbor, Michigan 48109. Graduate School of Information Science/Human Informatics, Nagoya University, Nagoya, Japan

Untitled

Infection and Immunity, v 75, n 10, p 4942-4950, October 2007
PUBLICATION DATE: 2007

PUBLISHER: American Society for Microbiology, 1752 N Street N.W.
Washington, DC 20036 USA, [URL: <http://www.asm.org/>]

DOCUMENT TYPE: Journal Article
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English
ISSN: 0019-9567
ELECTRONIC ISSN: 1098-5522
FILE SEGMENT: Immunology Abstracts; Bacteriology Abstracts (Microbiology B)

Karaolis, David KR; Newstead, Michael W; Zeng, Xi anying; Hyodo,
Mamoru; Hayakawa, Yoshihiro; Bhan, Urvashi; Liang, Hallie...

ABSTRACT:

... immunity in the lung and protects mice against bacterial invasion. We propose that the cyclic dinucleotide c-di-GMP may be used clinically as an effective immunomodulator, immune enhancer, and vaccine...

3/3, K/2 (Item 2 from file: 24)
DI A LOG (R) File 24: CSA Life Sciences Abstracts
(c) 2009 CSA. All rights reserved.

0002663119 IP ACCESSION NO: 6164268
c-di-GMP (3'-5'-Cyclic Diguanlylic Acid) Inhibits Staphylococcus aureus
Cell-Cell Interactions and Biofilm Formation

Karaolis, David KR; Rashid, Mohammed H; Chythanya, Rajanna; Luo,
Wensheng; Hyodo, Mamoru; Hayakawa, Yoshihiro
Department of Epidemiology and Preventive Medicine. Department of Medicine,
University of Maryland School of Medicine, Baltimore, Maryland. Graduate
School of Information Science/Human Informatics and CREST/JST, Nagoya
University, Nagoya, Japan

Antimicrobial Agents & Chemotherapy, v 49, n 3, p 1029-1038, March 2005
PUBLICATION DATE: 2005

PUBLISHER: American Society for Microbiology, 1752 N Street N.W.
Washington, DC 20036 USA, [URL: <http://www.asm.org/>]

DOCUMENT TYPE: Journal Article
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English
ISSN: 0066-4804
FILE SEGMENT: Bacteriology Abstracts (Microbiology B); Industrial & Applied
Microbiology Abstracts (Microbiology A)

Karaolis, David KR; Rashid, Mohammed H; Chythanya, Rajanna; Luo,
Wensheng; Hyodo, Mamoru; Hayakawa, Yoshihiro

ABSTRACT:

... the scientific, medical, and agriculture communities. We recently proposed that modulating levels of the cyclic dinucleotide signaling molecule, c-di-GMP (cyclic diguanylate [3',5'-cyclic diguanlylic acid], cGpGp), has utility...

Untitled

3/3, K/3 (Item 3 from file: 24)
DIALOG(R) File 24: CSA Life Sciences Abstracts
(c) 2009 CSA. All rights reserved.

0002414401 IP ACCESSION NO: 5770748
Identification of genes involved in the switch between the smooth and
rugose phenotypes of *Vibrio cholerae*

Rashid, MH; Rajanna, C; Ali, A; Karaolis, DK*
Department of Epidemiology and Preventive Medicine, University of Maryland
School of Medicine, Baltimore, MD 21201, USA,
[mailto:karaolis@umaryland.edu]

FEMS Microbiology Letters, v 227, n 1, p 113-119, October 10, 2003
PUBLICATION DATE: 2003

PUBLISHER: Federation of European Microbiological Societies

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

ISSN: 0378-1097

FILE SEGMENT: Genetics Abstracts; Bacteriology Abstracts (Microbiology B)
Rashid, MH; Rajanna, C; Ali, A; Karaolis, DK*

ABSTRACT:

... for the rugose phenotype, EPS, biofilm formation and motility. We
propose that modulation of cyclic dinucleotide (e.g. c-di-GMP) levels
might have application in regulating various phenotypes of prokaryotes...

3/3, K/4 (Item 1 from file: 393)
DIALOG(R) File 393: Beilstein Database - Abstracts
(c) 2008 Beilstein GmbH. All rights reserved.

Beilstein Abstract Id: 6552279

Title: c-di-GMP (3'-5'-Cyclic Diguanlylic Acid) Inhibits *Staphylococcus*
aureus Cell-Cell Interactions and Biofilm Formation

Document Type: Journal Record Type: Abstract

Author: Karaolis, David K. R.; Rashid, Mohammed H.; Chythanya,
Rajanna; Luo, Wensheng; Hyodo, Mamoru; Hayakawa, Yoshihiro

Citation: Antimicrob. Agents & Chemother. (2005) Series: 49-3, 1029 -
1038 CODEN: AMACQ Language: English

Abstract Language: English

Author: Karaolis, David K. R.; Rashid, Mohammed H.; Chythanya,
Rajanna; Luo, Wensheng; Hyodo, Mamoru; Hayakawa, Yoshihiro

... Abstract: the scientific, medical, and agriculture communities. We
recently proposed that modulating levels of the cyclic
dinucleotide signaling molecule, c-di-GMP (cyclic
diguanylate 3', 5'-cyclic diguanlylic acid, cGpGp), has utility
...

3/3, K/5 (Item 2 from file: 393)
DIALOG(R) File 393: Beilstein Database - Abstracts
(c) 2008 Beilstein GmbH. All rights reserved.

Beilstein Abstract Id: 6521205

Untitled

Title: 3', 5'-Cyclic Diguanlylic Acid Reduces the Virulence of Biofilm Forming Staphylococcus aureus Strains in a Mouse Model of Mastitis Infection

Document Type: Journal Record Type: Abstract

Author: Brouillette, Eric; Hyodo, Mamoru; Hayakawa, Yoshihiro; Karaolis, David K. R.; Malouin, Francois

Citation: Antimicrob. Agents & Chemother. (2005) Series: 49-8, 3109 - 3113 CODEN: AMACQ Language: English

Abstract Language: English

Author: Brouillette, Eric; Hyodo, Mamoru; Hayakawa, Yoshihiro; Karaolis, David K. R.; Malouin, Francois

Abstract: The cyclic dinucleotide 3', 5'-cyclic diguanlylic acid (c-di-GMP) is a naturally occurring small molecule that...

3/3, K/6 (Item 1 from file: 399)

DI ALOG(R) File 399: CA SEARCH(R)

(c) 2009 American Chemical Society. All rts. reserv.

148024432 CA: 148(2) 24432t PATENT

Method for stimulating the immune, inflammatory or neuroprotective response

INVENTOR(AUTHOR): Karaolis, David K. R.

LOCATION: USA

PATENT: U.S. Pat. Appl. Publ. ; US 20070281897 A1 DATE: 20071206

APPLI CATION: US 2007669006 (20070130) *US 2004PV552721 (20040315) *US 2004PV563692 (20040420) *US 200579886 (20050315)

PAGES: 60pp., Cont.-in-part of U.S. Ser. No. 79,886. CODEN: USXXCO

LANGUAGE: English

PATENT CLASSI FI CATIONS:

CLASS: 514044000

IPCR/8 + Level Value Position Status Version Action Source Office:

A61K-0031/7076 A I F B 20060101 20071206 H US

A61P-0031/00 A I L B 20060101 20071206 H US

A61P-0037/00 A I L B 20060101 20071206 H US

3/3, K/7 (Item 2 from file: 399)

DI ALOG(R) File 399: CA SEARCH(R)

(c) 2009 American Chemical Society. All rts. reserv.

143279369 CA: 143(16) 279369s PATENT

Method using cyclic di-GMP or cyclic dinucleotide analog thereof for inhibiting cancer cell proliferation or increasing cancer cell apoptosis

INVENTOR(AUTHOR): Karaolis, David K. R.; Raufman, Jean-Pierre

LOCATION: USA

PATENT: U.S. Pat. Appl. Publ. ; US 20050203051 A1 DATE: 20050915

APPLI CATION: US 200579779 (20050315) *US 2004PV552721 (20040315) *US 2004PV563692 (20040420)

PAGES: 22 pp. CODEN: USXXCO LANGUAGE: English

PATENT CLASSI FI CATIONS:

CLASS: 514045000; A61K-031/7076A

3/3, K/8 (Item 3 from file: 399)

DI ALOG(R) File 399: CA SEARCH(R)

(c) 2009 American Chemical Society. All rts. reserv.

142367640 CA: 142(20) 367640h PATENT

Method for attenuating virulence of microbial pathogens and inhibiting microbial biofilm formation by using c-di-GMP and cyclic dinucleotide analogs

Untitled

INVENTOR(AUTHOR): Karaolis, David K. R.

LOCATION: USA

ASSIGNEE: University of Maryland

PATENT: PCT International ; WO 200530186 A2 DATE: 20050407

APPLICATION: WO 2004US23498 (20040722) *US 2003PV490029 (20030728)

PAGES: 118 pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSIFICATIONS:

CLASS: A61K-031/00A

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY;
BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD;
GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS;
LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NI; NO; NZ; OM; PG; PH; PL;
PT; RO; RU; SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US;
UZ; VC; VN; YU; ZA; ZM; ZW DESIGNATED REGIONAL: BW; GH; GM; KE; LS; MW; MZ;
; NA; SD; SL; SZ; TZ; UG; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU; TJ; TM; AT;
BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL;
PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR;
NE; SN; TD; TG